

VIEW SOLICITATION

General Information

Award Info: Contract W912DR-06-C-0009
Awarded: 3/24/06 - CUH2A/Smith Carter/Hemisphere Engineering, 1000 Lenox Drive, Lawrenceville, NJ 08648, in the amount of \$24,022,202.00

Solicitation Number: W912DR-05-R-0096

Restrictions: Unrestricted
Design of Medical Research Laboratory and Vivarium Facilities for the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)

Title: Medical Research Institute of Infectious Diseases (USAMRIID)

Location: varied

Issue Date: 10/12/2005

Closing Date: 11/10/2005, 1600 hrs, EST

Price Range: \$400 million to \$800 million

Time for Completion:

NAICS: 531330

FSC:

CBD: C

Size Standard: \$4.0M

Contracting POC: [Mary Riche](#), 410-962-4880

Technical POC: [Herb Eichler](#), 410-962-4477

Synopsis: **CONTRACT INFORMATION:**

A-E services are required for: site investigation, planning, programming, survey and geotechnical report (option), engineering studies including permit application, charrette, schematic design, concept design, final design (option), commissioning (option), construction phase services (option). Construction phase services will include shop drawing review and approval, site visits, technical assistance, commissioning and may include preparation of operation and maintenance manuals and on-site representation. This contract is being procured in accordance with the Brooks A-E Act as implemented in FAR Subpart 36.6. Firms will be selected for negotiation based on demonstrated competence and qualifications for the required work. This announcement is open to all businesses regardless of size. A firm-fixed-price contract will be negotiated. The contract is anticipated to be awarded in March 2006. The contractor and key consultants may be required to obtain a valid facility clearance and have the ability to safeguard materials to the classification level of confidential. A DD Form 254, Contract Security Classification Specification, which specifies the exact security requirements, will be included in the request for a pricing proposal from the selected offeror. If a large business is selected for this contract, it must comply with FAR 52.219-9 regarding the requirement for a subcontracting plan on that part of the work it plans to subcontract. The plan is not required with this submittal.

SUBCONTRACTING PLAN REQUIREMENTS:

If a large business is selected, a subcontracting plan with the final fee proposal will be required, consistent with Section 806 (b) of PL 100-180, 95-907, 99-661. The proposed subcontracting goals for this contract, which may be adjusted before issuance of the Request for the Proposal to the selected firm are as follows: a minimum of 45% of the contractor's intended subcontract amount be placed with small businesses (SB) and the following percentages of the total SB subcontracting: 20% be placed with small disadvantaged businesses (SDB), 10% be placed with women-owned small businesses (WOSB), 3% be placed with HUB Zone small

business, 3% with Veteran Owned Small Business, and 3% be placed with Service-Disabled Veteran-Owned Small Business. A detailed subcontracting plan must be submitted during contract negotiation. If the selected firm intends to submit a plan with lesser goals, it must submit written rationale in the plan why the above goals cannot be met. Selection of A-E firms is not based upon competitive bidding procedures, but rather upon the professional qualifications necessary for the performance of the required services. The North American Industry Classification System (NAICS) code for this action is 541330.

PROJECT INFORMATION:

The U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), an organization of the U.S. Army Medical Research and Materiel Command, is the lead biomedical research laboratory for the U.S. Department of Defense's (DoD) Medical Biological Defense Research Program. The Institute plays a key role as the only laboratory in DoD equipped to safely study highly hazardous infectious agents requiring maximum containment at biosafety level (BSL)-4. This project will design the replacement, expansion, and renovation of the existing USAMRIID facilities, which will include an approximately 700,000 gross square-foot of new biomedical research and vivarium facilities at Fort Detrick, Maryland. The facilities will house spaces for BSL-2/3/4 Repository, BSL-2/3/4 Transgenics, Emergents BSL-4's, BSL-3/4 Aerobiology, BSL-2/3/4 Clinical Research, Pathogenesis, Vaccine Research, Diagnostics, Host Responses, Special BSL-4 In-patient Triage Suite, Therapeutics, Advanced Imaging, Bioinformatics, Genomics, Proteomics, Biopharmaceutical Development, Animal (A) BSL-2/3/4 Animal Research and Animal Holding for various species including non-human primates, and administrative and support space. Support facilities include: Medical gas utilities (O₂, CO₂, LN₂, N₂), conventional utilities (water, sewer, gas, central district chilled water, steam), effluent steam sterilization, electrical services, paving, walks, parking, fencing, storm drainage, communication and information systems, fire protection and alarm systems, and site improvements that include landscaping and new access drives. The project will also include decommissioning, decontamination and demolition of the existing facilities which shall include hazardous materials surveys (including PCB's, Radioactive, etc.), asbestos and lead based paint surveys / abatement requirements. The project will be designed in accordance with: Unified Facilities Criteria (UFC) 4-510-1 (formally Military Handbook 1191); DoD Medical Military Facilities Design Criteria; Biological Defense Safety Program AR 385-69 and PAM 385-69; Biosafety in Microbiological and Biomedical Laboratories, U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention and National Institutes of Health, Fourth Edition, April 1999; Guide for the Care and Use of Laboratory Animals (National Research Council) AAALAC Standards; Occupational Health and Safety in the Care and Use of Research Animals, National Research Council (1997); Americans with Disabilities Act and Architectural Barriers Act Accessibilities Guidelines dated July 2004; Design Criteria for Microbiological Facilities at Fort Detrick; DoD Minimum Antiterrorism Standards for Buildings; and UFC 4-300-01 Research, Development, Test and Evaluation Facilities. All required antiterrorism and force protection (AT/FP) measures will be provided and may include structural hardening and progressive collapse analysis. The projects will include use of the Sustainable Project Rating Tool (SPiRiT). SPiRiT is a modified version of the U.S. Green Building Council LEED Green Building Rating System. The design will be prepared using the English system of measurement. Construction cost estimates will be prepared using the US Army Corps of Engineers' Computer Aided Cost Estimating System (M-CACES GOLD). The Government will provide the software. Design drawings will be produced in a format fully compatible with Microstation 32 Version 4.0.3 or higher or AutoCad Version 2002 or higher. The specifications will be produced in SPECSINTACT using

Unified Facilities Guide Specifications. Design review comments and their responses will be provided using the US Army Corps of Engineers Review Management System Proj/Net/DrChecks. The estimated construction cost of this project is in the range of \$400 million to \$800 million.

SELECTION CRITERIA:

The selection criteria are listed below in descending order of importance (first by major criterion and then by each sub-criterion). Criteria (A) through (E) are primary. Criteria (F) and (G) are secondary and will only be used as tiebreakers between technically equal firms.

A. Specialized experience and technical competence of the firm and consultants in: (1) Design of new bio-medical research laboratory, vivarium and support facilities to include BSL- 2/3/4 laboratories and ABSL-2/3/4 vivarium facilities. (2) Life safety and fire protection design of biomedical research facilities. (3) Application of construction cost control through appropriate design and estimating techniques on complex projects during fluctuating markets to insure the project remains within budget. (4) Knowledge of the locality of the project including geologic features, climatic conditions, and local construction methods and obtaining permits. (5) Experience in the commissioning of high-containment laboratory and vivarium facilities (6) Preparation of phased or staged design to allow early occupancy of particular areas of a construction project. (7) Experience in energy conservation, pollution prevention, waste reduction, and the use of recovered materials. (8) Sustainable design using an integrated design approach and emphasizing environmental stewardship, with experience in energy efficiency, use of recovered materials; waste reduction; reduction or elimination of toxic and harmful substances in facilities construction and operation; efficiency in resource and materials utilization; development of healthy, safe and productive work environments, and employing the SPiRiT/LEED evaluation and certification methods. (9) Familiarity with DoD anti-terrorism/force protection (AT/FP) design criteria and construction standards. (10) Experience working with construction or construction management firms as part of the design delivery team.

B. Professional Qualifications: The selected firm must have, either in-house or through consultants the following key disciplines and, as a minimum, the number of personnel indicated in parenthesis: project management (1); bio-medical and vivarium space planning for high containment (2); biomedical and vivarium engineering for high containment (2); architecture (2); mechanical (2), electrical (2), fire protection (2), structural (2), civil (2), communication engineering (1); cost estimating (2); laboratory and vivarium commissioning expert (2); certified industrial hygienist (1); biomedical equipment planning for laboratory and vivarium facilities (2); interior design (2); operation and maintenance systems specialist (1). Resumes contained in Standard Form (SF) 330, PART I, Section E, Page 3 shall be completed for each discipline and the number indicated. Additional resumes may be added if needed to further explain the proposed team members. Each resume shall not exceed one page in length. Registered professionals are required in the following disciplines: architecture, mechanical, electrical, fire protection, structural, certified industrial hygienist, and civil engineering. The evaluation will consider education, training, registration, overall and relevant experience, and longevity with the firm. The availability of an adequate number of personnel in the key disciplines shall be presented to insure that the firm can meet the required schedule as stated in Paragraph D below.

C. Experience producing quality designs based on a firm's design quality

management plan (DQMP). The DQMP should include an organization chart and briefly address management approach, team organization, professional registration, quality control procedures, cost control, value engineering, coordination of in-house disciplines and subcontractors, and prior experience of the prime firm and any significant consultants on similar projects. Indicate how the prime firm has collaborated with the proposed consultants and identify the projects, including the names of the team members and the year of participation. The evaluation will be based on established ACASS ratings and other credible documentation included in the SF 330.

D. Capacity to complete the facility concept design package (35 percent) by November 2006. Capacity to complete the final site development design by February 2007 and capacity to complete the final primary facility design package by November 2007. The evaluation will consider the experience of the firm and any consultants in similar size projects, and the availability of an adequate number of personnel in key disciplines.

E. Past performance on DoD and other contracts with respect to quality of work, cost control, and compliance with performance schedules.

F. Commitment to meeting the small business goals set forth in this solicitation demonstrated by the proposed subcontracting partners. The extent of participation of small businesses including woman owned small business, small disadvantaged businesses, historically black colleges and universities, and minority institutions in the proposed contract team, measured as a percentage of the total estimated effort shall be indicated.

G. Volume of DoD contract awards in the last 12 months with the objective of effecting distribution of DoD AE contracts among qualified firms.

SUBMISSION REQUIREMENTS:

See Note 24 below. Interested firms having the capabilities to perform this work must submit four (4) completed paper copies of their SF 330 (Architect-Engineer Qualifications) to U.S. Army Corps of Engineers, Baltimore District, 10 South Howard Street, ATTN: Contracting Division (Mary Riche) Baltimore, MD, 21201 (Mailing address: P.O. Box 1715, Baltimore, MD 21203-1715), not later than 3:00 P.M. Eastern Time on November 10, 2005. Regulation requires that the Selection Board not consider any submittals received after this time and date. Late proposal rules in FAR 15.208 will be followed for submittals received after 3:00 P.M. Eastern Time on the closing date specified in this announcement. Facsimile transmissions will not be accepted. SF 330 6/2004 edition must be used, and may be obtained from the Government Printing Office or from the following web site:

<http://contacts.gsa.gov/webforms.nsf/22f268ed0a398629852569a4006ed7cc?OpenView&Start=30>. Include your ACASS number in SF 330, PART I, Section B, Block 5. To obtain an ACASS number, call the ACASS Center at 503-808-4590. Limit response in Block F of the SF 330 to no more than 5 projects. Use no more than two pages per project. In Block G. 26 along with the name include the firm the person is associated. In Block H describe the firm's overall DQMP. (A project-specific design quality control plan must be prepared and approved by the Government as a condition of contract award, but is not required with this submission.) In Block H also indicate the estimated percentage involvement of each firm on the proposed team. Block H is limited to 30 pages. The page limit for the Part 1 SF 330 is 125 pages. Use no smaller than 12 font type. A page is one side of a sheet. A Part II of the SF 330 is required for each branch office of the Prime Firm and any Subcontractors that will have a key role in the proposed contract. This is

not a request for proposal. Solicitation packages are not provided and no additional project information will be given to firms during the announcement period. The A-E Evaluation Board (Selection Board) is tentatively scheduled to commence in mid-November 2005. In-person interviews will take place in the Baltimore District in late November 2005 for the most highly qualified firms. These firms will be contacted on the exact time and place of the interviews. Phone calls to discuss the solicitation are discouraged unless absolutely necessary. Personal visits for the purpose of discussing this solicitation are not allowed. To be eligible for contract award, a firm must be registered with the Central Contractor Registration database. For instructions on registering with the CCR, please see the CCR Web site at <http://www.acq.osd.mil/ec>.

NOTE 24:

This acquisition is for architect-engineer (A-E) services, and is procured in accordance with the Brooks A-E Act as implemented in Subpart 36.6 of the Federal Acquisition Regulation. A-E firms meeting the requirements described in this announcement are invited to submit: (1) a Standard Form (SF) 330, Architect-Engineer Qualifications, Parts I and II, and (2) any requested supplemental data to the procurement office shown. Firms registering for consideration for future Federal A-E projects are encouraged to electronically submit SF 330 Part II, General Qualifications, to <http://www.bpn.gov/orca/login.aspx>, and to update at least annually. Firms with a SF 330 Part II on file in this central Federal database do not need to submit a Part II for this acquisition unless directed by the announcement. Firms responding to this announcement before the closing date will be considered for selection, subject to any limitations indicated with respect to size and geographic location of firm, specialized technical expertise or other requirements listed. Following an evaluation of the qualifications and performance data submitted, three or more firms that are considered to be the most highly qualified to provide the type of services required will be chosen for negotiation. Selection of firms for negotiation shall be made in order of preference based on the demonstrated competence and qualifications necessary for satisfactory performance in accordance with the specific selection criteria listed in the announcement.

**Register as an
Interested Party:**

[Download the attached form](#), complete, and return as directed.